



Rabbit anti-Rat TRPV1 Polyclonal antibody (CPBT-49653RR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Rabbit Polyclonal antibody to Rat TRPV1. |
| Antigen Description | ion channel that demonstrates heat-evoked membrane currents |
| Specificity | Widely expressed at low levels. Expression is elevated in dorsal root ganglia. In skin, expressed in cutaneous sensory nerve fibers, mast cells, epidermal keratinocytes, dermal blood vessels, the inner root sheet and the infundibulum of hair follicles, differentiated sebocytes, sweat gland ducts, and the secretory portion of eccrine sweat glands (at protein level). |
| Immunogen | Synthetic peptide: RASLDSEESPPQENSC, corresponding to amino-terminus of Rat VR1, amino acids 4-21. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Rat |
| Purification | Whole antiserum |
| Conjugate | Unconjugated |
| Applications | WB, ICC, IHC (PFA fixed) |
| Sequence Similarities | Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV1 sub-subfamily. Contains 6 ANK repeats. |
| Cellular Localization | Cell membrane. |
| Format | Liquid |

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|---------------------|---|
| Size | 50 µl |
| Buffer | Preservative: 0.05% Sodium Azide Constituents: Whole Serum |
| Preservative | 0.05% Sodium Azide |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |

GENE INFORMATION

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| Gene Name | Trpv1 transient receptor potential cation channel, subfamily V, member 1 [Rattus norvegicus] |
| Official Symbol | TRPV1 |
| Synonyms | TRPV1; transient receptor potential cation channel, subfamily V, member 1; transient receptor potential cation channel subfamily V member 1; capsaicin receptor; DKFZp434K0220; osm 9 like TRP channel 1; Osm-9-like TRP channel 1; OTRPC1; Transient receptor potential cation channel subfamily V member 1; TRPV 1; TRPV1; TRPV1_HUMAN; Vanilloid receptor 1; Vanilloid receptor subtype 1; VR 1; VR1; OTRPC1; capsaicin receptor; vanilloid receptor 1; osm-9-like TRP channel 1; vanilloid type 1 receptor; vanilloid receptor subtype 1; vanilloid receptor type 1 like protein 1; Vr1; Vr1l1; VR.5sv; |
| Entrez Gene ID | 83810 |
| Protein Refseq | NP_114188 |
| UniProt ID | O35433 |
| Pathway | Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; |
| Function | ATP binding; calcium channel activity; calcium channel activity; calmodulin binding; cation channel activity; cation transmembrane transporter activity; chloride channel regulator activity; ion channel activity; nucleotide binding; protein binding; |